

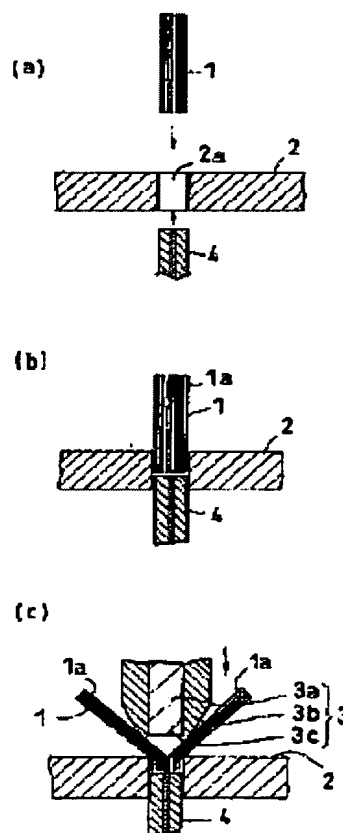
# METHOD OF MANUFACTURING ROTARY BRUSH, ROTARY TOOTH- BRUSH AND TOOTHBRUSH

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## Abstract of JP2003088424

**PROBLEM TO BE SOLVED:** To provide a method of manufacturing a rotary brush which is capable of efficiently forming high-density bristles, a rotary brush and a toothbrush using the same. **SOLUTION:** A fiber tuft 1 consisting of a multiplicity of short fibers is formed by cutting long-sized fibers to a short-fiber form and one end side in the longitudinal direction of the fiber tuft 1 is fixed to a fixture 2 and a free end 1a side of the fiber tuft 1 is radially diametrically expanded by moving a diametral expanding tool 3 capable of diametrically expanding the fiber tuft 1 from the approximate central position of the fiber tuft 1 from the free end 1a which is the other end side of the fiber tuft 1 toward the periphery, by which the fiber tuft is formed to a flat planar form and the one end side of the fixed fiber tuft 1 is melted and integrated.



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